

Figure 1.

1	M	D	P	T	T	P	A	W	G	T	E	S	T	T	V	15
1	ATG	GAT	CCA	ACC	ACC	CCG	GCC	TGG	GGA	ACA	GAA	AGT	ACA	ACA	GTG	45
16	N	G	N	D	Q	A	L	L	L	L	C	G	K	E	T	30
46	AAT	GGA	AAT	GAC	CAA	GCC	CTT	CTT	CTG	CTT	TGT	GGC	AAG	GAG	ACC	90
31	L	I	P	V	F	L	I	L	F	I	A	L	V	G	L	45
91	CTG	ATC	CCG	GTC	TTC	CTG	ATC	CTT	TTC	ATT	GCC	CTG	GTC	GGG	CTG	135
46	V	G	N	G	F	V	L	W	L	L	G	F	R	M	R	60
136	GTA	GGA	AAC	GGG	TTT	GTG	CTC	TGG	CTC	CTG	GGC	TTC	CGC	ATG	CGC	180
61	R	N	A	F	S	V	Y	V	L	S	L	A	G	A	D	75
181	AGG	AAC	GCC	TTC	TCT	GTC	TAC	GTC	CTC	AGC	CTG	GCC	GGG	GCC	GAC	225
76	F	L	F	L	C	F	Q	I	I	N	C	L	V	Y	L	90
226	TTC	CTC	TTC	CTC	TGC	TTC	CAG	ATT	ATA	AAT	TGC	CTG	GTG	TAC	CTC	270
91	S	N	F	F	C	S	I	S	I	N	F	P	S	F	F	105
271	AGT	AAC	TTC	TTC	TGT	TCC	ATC	TCC	ATC	AAT	TTC	CCT	AGC	TTC	TTC	315
106	T	T	V	M	T	C	A	Y	L	A	G	L	S	M	L	120
316	ACC	ACT	GTG	ATG	ACC	TGT	GCC	TAC	CTT	GCA	GGC	CTG	AGC	ATG	CTG	360
121	S	T	V	S	T	E	R	C	L	S	V	L	W	P	I	135
361	AGC	ACC	GTC	AGC	ACC	GAG	CGC	TGC	CTG	TCC	GTC	CTG	TGG	CCC	ATC	405
136	W	Y	R	C	R	R	P	R	H	L	S	A	V	V	C	150
406	TGG	TAT	CGC	TGC	CGC	CGC	CCC	AGA	CAC	CTG	TCA	GCG	GTC	GTG	TGT	450
151	V	L	L	W	A	L	S	L	L	L	S	I	L	E	G	165
451	GTC	CTG	CTC	TGG	GCC	CTG	TCC	CTA	CTG	CTG	AGC	ATC	TTG	GAA	GGG	495
166	K	F	C	G	F	L	F	S	D	G	D	S	G	W	C	180
496	AAG	TTC	TGT	GGC	TTC	TTA	TTT	AGT	GAT	GGT	GAC	TCT	GGT	TGG	TGT	540
181	Q	T	F	D	F	I	T	A	A	W	L	I	F	L	F	195
541	CAG	ACA	TTT	GAT	TTC	ATC	ACT	GCA	GCG	TGG	CTG	ATT	TTT	TTA	TTC	585
196	M	V	L	C	G	S	S	L	A	L	L	V	R	I	L	210
586	ATG	GTT	CTC	TGT	GGG	TCC	AGT	CTG	GCC	CTG	CTG	GTC	AGG	ATC	CTC	630
211	C	G	S	R	G	L	P	L	T	R	L	Y	L	T	I	225
631	TGT	GGC	TCC	AGG	GGT	CTG	CCA	CTG	ACC	AGG	CTG	TAC	CTG	ACC	ATC	675
226	L	L	T	V	L	V	F	L	L	C	G	L	P	F	G	240
676	CTG	CTC	ACA	GTG	CTG	GTG	TTC	CTC	CTC	TGC	GGC	CTG	CCC	TTT	GGC	720
241	I	Q	W	F	L	I	L	W	I	W	K	D	S	D	V	255
721	ATT	CAG	TGG	TTC	CTA	ATA	TTA	TGG	ATC	TGG	AAG	GAT	TCT	GAT	GTC	765
256	L	F	C	H	I	H	P	V	S	V	V	L	S	S	L	270
766	TTA	TTT	TGT	CAT	ATT	CAT	CCA	GTT	TCA	GTT	GTC	CTG	TCA	TCT	CTT	810

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Figure 1 illustrates the stages of chick development from fertilization to hatching. The drawings are arranged in a vertical column and labeled 1 through 12. The stages are: 1. Fertilized egg, 2. Cleavage, 3. Two-cell stage, 4. Four-cell stage, 5. Morula stage, 6. Gastrula stage, 7. Hatching, 8. Chick in egg, 9. Chick in egg, 10. Chick in egg, 11. Chick in egg, 12. Chick in egg.

Figure 2.

1	M	E	S	S	P	I	P	Q	S	S	G	N	S	S	T	15
1	ATG	GAG	TCC	TCA	CCC	ATC	CCC	CAG	TCA	TCA	GGG	AAC	TCT	TCC	ACT	45
16	L	G	R	V	P	Q	T	P	G	P	S	T	A	S	G	30
46	TTG	GGG	AGG	GTC	CCT	CAA	ACC	CCA	GGT	CCC	TCT	ACT	GCC	AGT	GGG	90
31	V	P	E	V	G	L	R	D	V	A	S	E	S	V	A	45
91	GTC	CCG	GAG	GTG	GGG	CTA	CGG	GAT	GTT	GCT	TCG	GAA	TCT	GTG	GCC	135
46	L	F	F	M	L	L	L	D	L	T	A	V	A	G	N	60
136	CTC	TTC	TTC	ATG	CTC	CTG	CTG	GAC	TTG	ACT	GCT	GTG	GCT	GGC	AAT	180
61	A	A	V	M	A	V	I	A	K	T	P	A	L	R	K	75
181	GCC	GCT	GTG	ATG	GCC	GTG	ATC	GCC	AAG	ACG	CCT	GCC	CTC	CGA	AAA	225
76	F	V	F	V	F	H	L	C	L	V	D	L	L	A	A	90
226	TTT	GTC	TTC	GTC	TTC	CAC	CTC	TGC	CTG	GTG	GAC	CTG	CTG	GCT	GCC	270
91	L	T	L	M	P	L	A	M	L	S	S	S	A	L	F	105
271	CTG	ACC	CTC	ATG	CCC	CTG	GCC	ATG	CTC	TCC	AGC	TCT	GCC	CTC	TTT	315
106	D	H	A	L	F	G	E	V	A	C	R	L	Y	L	F	120
316	GAC	CAC	GCC	CTC	TTT	GGG	GAG	GTG	GCC	TGC	CGC	CTC	TAC	TTG	TTT	360
121	L	S	V	C	F	V	S	L	A	I	L	S	V	S	A	135
361	CTG	AGC	GTG	TGC	TTT	GTC	AGC	CTG	GCC	ATC	CTC	TCG	GTG	TCA	GCC	405
136	I	N	V	E	R	Y	Y	Y	V	V	H	P	M	R	Y	150
406	ATC	AAT	GTG	GAG	CGC	TAC	TAT	TAC	GTA	GTC	CAC	CCC	ATG	CGC	TAC	450
151	E	V	R	M	T	L	G	L	V	A	S	V	L	V	G	165
451	GAG	GTG	CGC	ATG	ACG	CTG	GGG	CTG	GTG	GCC	TCT	GTG	CTG	GTG	GGT	495
166	V	W	V	K	A	L	A	M	A	S	V	P	V	L	G	180
496	GTG	TGG	GTG	AAG	GCC	TTG	GCC	ATG	GCT	TCT	GTG	CCA	GTG	TTG	GGA	540
181	R	V	S	W	E	E	G	A	P	S	V	P	P	G	C	195
541	AGG	GTC	TCC	TGG	GAG	GAA	GGA	GCT	CCC	AGT	GTC	CCC	CCA	GGC	TGT	585
196	S	L	Q	W	S	H	S	A	Y	C	Q	L	F	V	V	210
586	TCA	CTC	CAG	TGG	AGC	CAC	AGT	GCC	TAC	TGC	CAG	CTT	TTT	GTG	GTG	630
211	V	F	A	V	L	Y	F	L	L	P	L	L	L	I	L	225
631	GTC	TTT	GCT	GTC	CTT	TAC	TTT	CTG	TTG	CCC	CTG	CTC	CTC	ATA	CTT	675
226	V	V	Y	C	S	M	F	R	V	A	R	V	A	A	M	240
676	GTG	GTC	TAC	TGC	AGC	ATG	TTC	CGA	GTG	GCC	CGC	GTG	GCT	GCC	ATG	720
241	Q	H	G	P	L	P	T	W	M	E	T	P	R	Q	R	255
721	CAG	CAC	GGG	CCG	CTG	CCC	ACG	TGG	ATG	GAG	ACA	CCC	CGG	CAA	CGC	765
256	S	E	S	L	S	S	R	S	T	M	V	T	S	S	G	270
766	TCC	GAA	TCT	CTC	AGC	AGC	CGC	TCC	ACG	ATG	GTC	ACC	AGC	TCG	GGG	810
271	A	P	Q	T	T	P	H	R	T	F	G	G	G	K	A	285

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1	M	D	P	T	I	S	T	L	D	T	E	L	T	P	I	15
1	ATG	GAT	CCA	ACC	ATC	TCA	ACC	TTG	GAC	ACA	GAA	CTG	ACA	CCA	ATC	45
16	N	G	T	E	E	T	L	C	Y	K	Q	T	L	S	L	30
46	AAC	GGA	ACT	GAG	GAG	ACT	CTT	TGC	TAC	AAG	CAG	ACC	TTG	AGC	CTC	90
31	T	V	L	T	C	I	V	S	L	V	G	L	T	G	N	45
91	ACG	GTG	CTG	ACG	TGC	ATC	GTT	TCC	CTT	GTC	GGG	CTG	ACA	GGA	AAC	135
46	A	V	V	L	W	L	L	G	C	R	M	R	R	N	A	60
136	GCA	GTT	GTG	CTC	TGG	CTC	CTG	GGC	TGC	CGC	ATG	CGC	AGG	AAC	GCC	180
61	F	S	I	Y	I	L	N	L	A	A	A	D	F	L	F	75
181	TTC	TCC	ATC	TAC	ATC	CTC	AAC	TTG	GCC	GCA	GCA	GAC	TTC	CTC	TTC	225
76	L	S	G	R	L	I	Y	S	L	L	S	F	I	S	I	90
226	CTC	AGC	GGC	CGC	CTT	ATA	TAT	TCC	CTG	TTA	AGC	TTC	ATC	AGT	ATC	270
91	P	H	T	I	S	K	I	L	Y	P	V	M	M	F	S	105
271	CCC	CAT	ACC	ATC	TCT	AAA	ATC	CTC	TAT	CCT	GTG	ATG	ATG	TTT	TCC	315
106	Y	F	A	G	L	S	F	L	S	A	V	S	T	E	R	120
316	TAC	TTT	GCA	GGC	CTG	AGC	TTT	CTG	AGT	GCC	GTG	AGC	ACC	GAG	CGC	360
121	C	L	S	V	L	W	P	I	W	Y	R	C	H	R	P	135
361	TGC	CTG	TCC	GTC	CTG	TGG	CCC	ATC	TGG	TAC	CGC	TGC	CAC	CGC	CCC	405
136	T	H	L	S	A	V	V	C	V	L	L	W	A	L	S	150
406	ACA	CAC	CTG	TCA	GCG	GTG	GTG	TGT	GTC	CTG	CTC	TGG	GCC	CTG	TCC	450
151	L	L	R	S	I	L	E	W	M	L	C	G	F	L	F	165
451	CTG	CTG	CGG	AGC	ATC	CTG	GAG	TGG	ATG	TTA	TGT	GGC	TTC	CTG	TTC	495
166	S	G	A	D	S	A	W	C	Q	T	S	D	F	I	T	180
496	AGT	GGT	GCT	GAT	TCT	GCT	TGG	TGT	CAA	ACA	TCA	GAT	TTC	ATC	ACA	540
181	V	A	W	L	I	F	L	C	V	V	L	C	G	S	S	195
541	GTC	GCG	TGG	CTG	ATT	TTT	TTA	TGT	GTG	GTT	CTC	TGT	GGG	TCC	AGC	585
196	L	V	L	L	I	R	I	L	C	G	S	R	K	I	P	210
586	CTG	GTC	CTG	CTG	ATC	AGG	ATT	CTC	TGT	GGA	TCC	CGG	AAG	ATA	CCG	630
211	L	T	R	L	Y	V	T	I	L	L	T	V	L	V	F	225
631	CTG	ACC	AGG	CTG	TAC	GTG	ACC	ATC	CTG	CTC	ACA	GTA	CTG	GTC	TTC	675
226	L	L	C	G	L	P	F	G	I	Q	F	F	L	F	L	240
676	CTC	CTC	TGT	GGC	CTG	CCC	TTT	GGC	ATT	CAG	TTT	TTC	CTA	TTT	TTA	720
241	W	I	H	V	D	R	E	V	L	F	C	H	V	H	L	255
721	TGG	ATC	CAC	GTG	GAC	AGG	GAA	GTC	TTA	TTT	TGT	CAT	GTT	CAT	CTA	765
256	V	S	I	F	L	S	A	L	N	S	S	A	N	P	I	270
766	GTT	TCT	ATT	TTC	CTG	TCC	GCT	CTT	AAC	AGC	AGT	GCC	AAC	CCC	ATC	810
271	I	Y	F	F	V	G	S	F	R	Q	R	Q	N	R	Q	285

Figure 3 (cont.)

811	ATT	TAC	TTC	TTC	GTG	GGC	TCC	TTT	AGG	CAG	CGT	CAA	AAT	AGG	CAG	855
286	N	L	K	L	V	L	Q	R	A	L	Q	D	A	S	E	300
856	AAC	CTG	AAG	CTG	GTT	CTC	CAG	AGG	GCT	CTG	CAG	GAC	GCG	TCT	GAG	900
301	V	D	E	G	G	G	Q	L	P	E	E	I	L	E	L	315
901	GTG	GAT	GAA	GGT	GGA	GGG	CAG	CTT	CCT	GAG	GAA	ATC	CTG	GAG	CTG	945
316	S	G	S	R	L	E	Q	*								323
946	TCG	GGA	AGC	AGA	TTG	GAG	CAG	TGA								969

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Figure 4.

1	M L S I L L P S R G S R S G S R R G A L	20
1	ATGCTGTCCATTTTGCTTCCTTCCAGGGGAAGCAGAAGCGGGAGCCGTCGTGGAGCTCTG	60
21	L L E G A S R D M E K V D M N T S Q E Q	40
61	CTCCTGGAGGGAGCCTCCCGGGACATGGAGAAGGTGGACATGAATACATCACAGGAACAA	120
41	G L C Q F S E K Y K Q V Y L S L A Y S I	60
121	GGTCTCTGCCAGTTCTCAGAGAAGTACAAGCAAGTCTACCTCTCCCTGGCCTACAGTATC	180
61	I F I L G L P L N G T V L W H S W G Q T	80
181	ATCTTTATCCTAGGGCTGCCACTAAATGGCACTGTCTTGTGGCACTCCTGGGGCCAAACC	240
81	K R W S C A T T Y L V N L M V A D L L Y	100
241	AAGCGCTGGAGCTGTGCCACCACCTATCTGGTGAACCTGATGGTGGCCGACCTGCTTTAT	300
101	V L L P F L I I T Y S L D D R W P F G E	120
301	GTGCTATTGCCCTTCCTCATCATCACCTACTCACTAGATGACAGGTGGCCCTTCGGGGAG	360
121	L L C K L V H F L F Y I N L Y G S I L L	140
361	CTGCTCTGCAAGCTGGTGCACCTTCCTGTTCTATATCAACCTTTACGGCAGCATCCTGCTG	420
141	L T C I S V H Q F L G V C H P L C S L P	160
421	CTGACCTGCATCTCTGTGCACCAGTTCCCTAGGTGTGTGCCACCCACTGTGTTCGCTGCCC	480
161	Y R T R R H A W L G T S T T W A L V V L	180
481	TACCGGACCCGCAGGCATGCCTGGCTGGGCACCAGCACCACCTGGGCCCTGGTGGTCCTC	540
181	Q L L P T L A F S H T D Y I N G Q M I W	200
541	CAGCTGCTGCCCACACTGGCCTTCTCCACACGGACTACATCAATGGCCAGATGATCTGG	600
201	Y D M T S Q E N F D R L F A Y G I V L T	220
601	TATGACATGACCAGCCAAGAGAATTTTGATCGGCTTTTGGCCTACGGCATAGTTCTGACA	660
221	L S G F F P S L V I L V C Y S L M V R S	240
661	TTGTCTGGCTTTTTTCCCTCCTTGGTCATTTTGGTGTGCTATTCACTGATGGTCAGGAGC	720
241	L I K P E E N L M R T G N T A R A R S I	260
721	CTGATCAAGCCAGAGGAGAACCTCATGAGGACAGGCAACACAGCCCGAGCCAGGTCCATC	780
261	R T I L L V C G L F T L C F V P F H I T	280
781	CGGACCATCCTACTGGTGTGTGGCCTCTTCACCCTCTGTTTTGTGCCCTTCCATATCACT	840
281	R S F Y L T I C F L L S Q D C Q L L M A	300
841	CGCTCCTTCTACCTCACCATCTGCTTTCTGCTTTCTCAGGACTGCCAGCTCTTGATGGCA	900
301	A S V A Y K I W R P L V S V S S C L N P	320
901	GCCAGTGTGGCCTACAAGATATGGAGGCCTCTGGTGAGTGTGAGCAGCTGCCTCAACCCA	960
321	V L Y F L S R G A K I E S G S S R N *	
961	GTCCTGTACTTTCTTTCAAGGGGGGCAAAAATAGAGTCAGGCTCCTCCAGAACTGA	

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Figure 5.

1	M	N	Q	T	L	N	S	S	G	T	V	E	S	A	L	15
1	ATG	AAC	CAG	ACT	TTG	AAT	AGC	AGT	GGG	ACC	GTG	GAG	TCA	GCC	CTA	45
16	N	Y	S	R	G	S	T	V	H	T	A	Y	L	V	L	30
46	AAC	TAT	TCC	AGA	GGG	AGC	ACA	GTG	CAC	ACG	GCC	TAC	CTG	GTG	CTG	90
31	S	S	L	A	M	F	T	C	L	C	G	M	A	G	N	45
91	AGC	TCC	CTG	GCC	ATG	TTC	ACC	TGC	CTG	TGC	GGG	ATG	GCA	GGC	AAC	135
46	S	M	V	I	W	L	L	G	F	R	M	H	R	N	P	60
136	AGC	ATG	GTG	ATC	TGG	CTG	CTG	GGC	TTT	CGA	ATG	CAC	AGG	AAC	CCC	180
61	F	C	I	Y	I	L	N	L	A	A	A	D	L	L	F	75
181	TTC	TGC	ATC	TAT	ATC	CTC	AAC	CTG	GCG	GCA	GCC	GAC	CTC	CTC	TTC	225
76	L	F	S	M	A	S	T	L	S	L	E	T	Q	P	L	90
226	CTC	TTC	AGC	ATG	GCT	TCC	ACG	CTC	AGC	CTG	GAA	ACC	CAG	CCC	CTG	270
91	V	N	T	T	D	K	V	H	E	L	M	K	R	L	M	105
271	GTC	AAT	ACC	ACT	GAC	AAG	GTC	CAC	GAG	CTG	ATG	AAG	AGA	CTG	ATG	315
106	Y	F	A	Y	T	V	G	L	S	L	L	T	A	I	S	120
316	TAC	TTT	GCC	TAC	ACA	GTG	GGC	CTG	AGC	CTG	CTG	ACG	GCC	ATC	AGC	360
121	T	Q	R	C	L	S	V	L	F	P	I	W	F	K	C	135
361	ACC	CAG	CGC	TGT	CTC	TCT	GTC	CTC	TTC	CCT	ATC	TGG	TTC	AAG	TGT	405
136	H	R	P	R	H	L	S	A	W	V	C	G	L	L	W	150
406	CAC	CGG	CCC	AGG	CAC	CTG	TCA	GCC	TGG	GTG	TGT	GGC	CTG	CTG	TGG	450
151	T	L	C	L	L	M	N	G	L	T	S	S	F	C	S	165
451	ACA	CTC	TGT	CTC	CTG	ATG	AAC	GGG	TTG	ACC	TCT	TCC	TTC	TGC	AGC	495
166	K	F	L	K	F	N	E	D	R	C	F	R	V	D	M	180
496	AAG	TTC	TTG	AAA	TTC	AAT	GAA	GAT	CGG	TGC	TTC	AGG	GTG	GAC	ATG	540
181	V	Q	A	A	L	I	M	G	V	L	T	P	V	M	T	195
541	GTC	CAG	GCC	GCC	CTC	ATC	ATG	GGG	GTC	TTA	ACC	CCA	GTG	ATG	ACT	585
196	L	S	S	L	T	L	F	V	W	V	R	R	S	S	Q	210
586	CTG	TCC	AGC	CTG	ACC	CTC	TTT	GTC	TGG	GTG	CGG	AGG	AGC	TCC	CAG	630
211	Q	W	R	R	Q	P	T	R	L	F	V	V	V	L	A	225
631	CAG	TGG	CGG	CGG	CAG	CCC	ACA	CGG	CTG	TTC	GTG	GTG	GTC	CTG	GCC	675
226	S	V	L	V	F	L	I	C	S	L	P	L	S	I	Y	240
676	TCT	GTC	CTG	GTG	TTC	CTC	ATC	TGT	TCC	CTG	CCT	CTG	AGC	ATC	TAC	720
241	W	F	V	L	Y	W	L	S	L	P	P	E	M	Q	V	255
721	TGG	TTT	GTG	CTC	TAC	TGG	TTG	AGC	CTG	CCG	CCC	GAG	ATG	CAG	GTC	765
256	L	C	F	S	L	S	R	L	S	S	S	V	S	S	S	270
766	CTG	TGC	TTC	AGC	TTG	TCA	CGC	CTC	TCC	TCG	TCC	GTA	AGC	AGC	AGC	810
271	A	N	P	V	I	Y	F	L	V	G	S	R	R	S	H	285

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Figure 5 (cont.)

811	GCC	AAC	CCC	GTC	ATC	TAC	TTC	CTG	GTG	GGC	AGC	CGG	AGG	AGC	CAC	855
286	R	L	P	T	R	S	L	G	T	V	L	Q	Q	A	L	300
856	AGG	CTG	CCC	ACC	AGG	TCC	CTG	GGG	ACT	GTG	CTC	CAA	CAG	GCG	CTT	900
301	R	E	E	P	E	L	E	G	G	E	T	P	T	V	G	315
901	CGC	GAG	GAG	CCC	GAG	CTG	GAA	GGT	GGG	GAG	ACG	CCC	ACC	GTG	GGC	945
316	T	N	E	M	G	A	*									322
946	ACC	AAT	GAG	ATG	GGG	GCT	TGA									966

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Figure 6.

1	M	E	A	D	L	G	A	T	G	H	R	P	R	T	E	15
1	ATG	GAA	GCT	GAC	CTG	GGT	GCC	ACT	GGC	CAC	AGG	CCC	CGC	ACA	GAG	45
16	L	D	D	E	D	S	Y	P	Q	G	G	W	D	T	V	30
46	CTT	GAT	GAT	GAG	GAC	TCC	TAC	CCC	CAA	GGT	GGC	TGG	GAC	ACG	GTC	90
31	F	L	V	A	L	L	L	L	G	L	P	A	N	G	L	45
91	TTC	CTG	GTG	GCC	CTG	CTG	CTC	CTT	GGG	CTG	CCA	GCC	AAT	GGG	TTG	135
46	M	A	W	L	A	G	S	Q	A	R	H	G	A	G	T	60
136	ATG	GCG	TGG	CTG	GCC	GGC	TCC	CAG	GCC	CGG	CAT	GGA	GCT	GGC	ACG	180
61	R	L	A	L	L	L	L	S	L	A	L	S	D	F	L	75
181	CGT	CTG	GCG	CTG	CTC	CTG	CTC	AGC	CTG	GCC	CTC	TCT	GAC	TTC	TTG	225
76	F	L	A	A	A	A	F	Q	I	L	E	I	R	H	G	90
226	TTC	CTG	GCA	GCA	GCG	GCC	TTC	CAG	ATC	CTA	GAG	ATC	CGG	CAT	GGG	270
91	G	H	W	P	L	G	T	A	A	C	R	F	Y	Y	F	105
271	GGA	CAC	TGG	CCG	CTG	GGG	ACA	GCT	GCC	TGC	CGC	TTC	TAC	TAC	TTC	315
106	L	W	G	V	S	Y	S	S	G	L	F	L	L	A	A	120
316	CTA	TGG	GGC	GTG	TCC	TAC	TCC	TCC	GGC	CTC	TTC	CTG	CTG	GCC	GCC	360
121	L	S	L	D	R	C	L	L	A	L	C	P	H	W	Y	135
361	CTC	AGC	CTC	GAC	CGC	TGC	CTG	CTG	GCG	CTG	TGC	CCA	CAC	TGG	TAC	405
136	P	G	H	R	P	V	R	L	P	L	W	V	C	A	G	150
406	CCT	GGG	CAC	CGC	CCA	GTC	CGC	CTG	CCC	CTC	TGG	GTC	TGC	GCC	GGT	450
151	V	W	V	L	A	T	L	F	S	V	P	W	L	V	F	165
451	GTC	TGG	GTG	CTG	GCC	ACA	CTC	TTC	AGC	GTG	CCC	TGG	CTG	GTC	TTC	495
166	P	E	A	A	V	W	W	Y	D	L	V	I	C	L	D	180
496	CCC	GAG	GCT	GCC	GTC	TGG	TGG	TAC	GAC	CTG	GTC	ATC	TGC	CTG	GAC	540
181	F	W	D	S	E	E	L	S	L	R	M	L	E	V	L	195
541	TTC	TGG	GAC	AGC	GAG	GAG	CTG	TCG	CTG	AGG	ATG	CTG	GAG	GTC	CTG	585
196	G	G	F	L	P	F	L	L	L	L	V	C	H	V	L	210
586	GGG	GGC	TTC	CTG	CCT	TTC	CTC	CTG	CTG	CTC	GTC	TGC	CAC	GTG	CTC	630
211	T	Q	A	T	A	C	R	T	C	H	R	Q	Q	Q	P	225
631	ACC	CAG	GCC	ACA	GCC	TGT	CGC	ACC	TGC	CAC	CGC	CAA	CAG	CAG	CCC	675
226	A	A	C	R	G	F	A	R	V	A	R	T	I	L	S	240
676	GCA	GCC	TGC	CGG	GGC	TTC	GCC	CGT	GTG	GCC	AGG	ACC	ATT	CTG	TCA	720
241	A	Y	V	V	L	R	L	P	Y	Q	L	A	Q	L	L	255
721	GCC	TAT	GTG	GTC	CTG	AGG	CTG	CCC	TAC	CAG	CTG	GCC	CAG	CTG	CTC	765
256	Y	L	A	F	L	W	D	V	Y	S	G	Y	L	L	W	270
766	TAC	CTG	GCC	TTC	CTG	TGG	GAC	GTC	TAC	TCT	GGC	TAC	CTG	CTC	TGG	810
271	E	A	L	V	Y	S	D	Y	L	I	L	L	N	S	C	285

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Figure 6 (cont.)

811	GAG	GCC	CTG	GTC	TAC	TCC	GAC	TAC	CTG	ATC	CTA	CTC	AAC	AGC	TGC	855
286	L	S	P	F	L	C	L	M	A	S	A	D	L	R	T	300
856	CTC	AGC	CCC	TTC	CTC	TGC	CTC	ATG	GCC	AGT	GCC	GAC	CTC	CGG	ACC	900
301	L	L	R	S	V	L	S	S	F	A	A	A	L	C	E	315
901	CTG	CTG	CGC	TCC	GTG	CTC	TCG	TCC	TTC	GCG	GCA	GCT	CTC	TGC	GAG	945
316	E	R	P	G	S	F	T	P	T	E	P	Q	T	Q	L	330
946	GAG	CGG	CCG	GGC	AGC	TTC	ACG	CCC	ACT	GAG	CCA	CAG	ACC	CAG	CTA	990
331	D	S	E	G	P	T	L	P	E	P	M	A	E	A	Q	345
991	GAT	TCT	GAG	GGT	CCA	ACT	CTG	CCA	GAG	CCG	ATG	GCA	GAG	GCC	CAG	1035
346	S	Q	M	D	P	V	A	Q	P	Q	V	N	P	T	L	360
1036	TCA	CAG	ATG	GAT	CCT	GTG	GCC	CAG	CCT	CAG	GTG	AAC	CCC	ACA	CTC	1080
361	Q	P	R	S	D	P	T	A	Q	P	Q	L	N	P	T	375
1081	CAG	CCA	CGA	TCG	GAT	CCC	ACA	GCT	CAG	CCA	CAG	CTG	AAC	CCT	ACG	1125
376	A	Q	P	Q	S	D	P	T	A	Q	P	Q	L	N	L	390
1126	GCC	CAG	CCA	CAG	TCG	GAT	CCC	ACA	GCC	CAG	CCA	CAG	CTG	AAC	CTC	1170
391	M	A	Q	P	Q	S	D	S	V	A	Q	P	Q	A	D	405
1171	ATG	GCC	CAG	CCA	CAG	TCA	GAT	TCT	GTG	GCC	CAG	CCA	CAG	GCA	GAC	1215
406	T	N	V	Q	T	P	A	P	A	A	S	S	V	P	S	420
1216	ACT	AAC	GTC	CAG	ACC	CCT	GCA	CCT	GCT	GCC	AGT	TCT	GTG	CCC	AGT	1260
421	P	C	D	E	A	S	P	T	P	S	S	H	P	T	P	435
1261	CCC	TGT	GAT	GAA	GCT	TCC	CCA	ACC	CCA	TCC	TCG	CAT	CCT	ACC	CCA	1305
436	G	A	L	E	D	P	A	T	P	P	A	S	E	G	E	450
1306	GGG	GCC	CTT	GAG	GAC	CCA	GCC	ACA	CCT	CCT	GCC	TCT	GAA	GGA	GAA	1350
451	S	P	S	S	T	P	P	E	A	A	P	G	A	G	P	465
1351	AGC	CCC	AGC	AGC	ACC	CCG	CCA	GAG	GCG	GCC	CCG	GGC	GCA	GGC	CCC	1395
466	T	*														467
1396	ACG	TGA														1401

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[illegible]

1	M	N	E	P	L	D	Y	L	A	N	A	S	D	F	P	15
1	ATG	AAT	GAG	CCA	CTA	GAC	TAT	TTA	GCA	AAT	GCT	TCT	GAT	TTC	CCC	45
16	D	Y	A	A	A	F	G	N	C	T	D	E	N	I	P	30
46	GAT	TAT	GCA	GCT	GCT	TTT	GGA	AAT	TGC	ACT	GAT	GAA	AAC	ATC	CCA	90
31	L	K	M	H	Y	L	P	V	I	Y	G	I	I	F	L	45
91	CTC	AAG	ATG	CAC	TAC	CTC	CCT	GTT	ATT	TAT	GGC	ATT	ATC	TTC	CTC	135
46	V	G	F	P	G	N	A	V	V	I	S	T	Y	I	F	60
136	GTG	GGA	TTT	CCA	GGC	AAT	GCA	GTA	GTG	ATA	TCC	ACT	TAC	ATT	TTC	180
61	K	M	R	P	W	K	S	S	T	I	I	M	L	N	L	75
181	AAA	ATG	AGA	CCT	TGG	AAG	AGC	AGC	ACC	ATC	ATT	ATG	CTG	AAC	CTG	225
76	A	C	T	D	L	L	Y	L	T	S	L	P	F	L	I	90
226	GCC	TGC	ACA	GAT	CTG	CTG	TAT	CTG	ACC	AGC	CTC	CCC	TTC	CTG	ATT	270
91	H	Y	Y	A	S	G	E	N	W	I	F	G	D	F	M	105
271	CAC	TAC	TAT	GCC	AGT	GGC	GAA	AAC	TGG	ATC	TTT	GGA	GAT	TTC	ATG	315
106	C	K	F	I	R	F	S	F	H	F	N	L	Y	S	S	120
316	TGT	AAG	TTT	ATC	CGC	TTC	AGC	TTC	CAT	TTC	AAC	CTG	TAT	AGC	AGC	360
121	I	L	F	L	T	C	F	S	I	F	R	Y	C	V	I	135
361	ATC	CTC	TTC	CTC	ACC	TGT	TTC	AGC	ATC	TTC	CGC	TAC	TGT	GTG	ATC	405
136	I	H	P	M	S	C	F	S	I	H	K	T	R	C	A	150
406	ATT	CAC	CCA	ATG	AGC	TGC	TTT	TCC	ATT	CAC	AAA	ACT	CGA	TGT	GCA	450
151	V	V	A	C	A	V	V	W	I	I	S	L	V	A	V	165
451	GTT	GTA	GCC	TGT	GCT	GTG	GTG	TGG	ATC	ATT	TCA	CTG	GTA	GCT	GTC	495
166	I	P	M	T	F	L	I	T	S	T	N	R	T	N	R	180
496	ATT	CCG	ATG	ACC	TTC	TTG	ATC	ACA	TCA	ACC	AAC	AGG	ACC	AAC	AGA	540
181	S	A	C	L	D	L	T	S	S	D	E	L	N	T	I	195
541	TCA	GCC	TGT	CTC	GAC	CTC	ACC	AGT	TCG	GAT	GAA	CTC	AAT	ACT	ATT	585
196	K	W	Y	N	L	I	L	T	A	T	T	F	C	L	P	210
586	AAG	TGG	TAC	AAC	CTG	ATT	TTG	ACT	GCA	ACT	ACT	TTC	TGC	CTC	CCC	630
211	L	V	I	V	T	L	C	Y	T	T	I	I	H	T	L	225
631	TTG	GTG	ATA	GTG	ACA	CTT	TGC	TAT	ACC	ACG	ATT	ATC	CAC	ACT	CTG	675
226	T	H	G	L	Q	T	D	S	C	L	K	Q	K	A	R	240
676	ACC	CAT	GGA	CTG	CAA	ACT	GAC	AGC	TGC	CTT	AAG	CAG	AAA	GCA	CGA	720
241	R	L	T	I	L	L	L	L	A	F	Y	V	C	F	L	255
721	AGG	CTA	ACC	ATT	CTG	CTA	CTC	CTT	GCA	TTT	TAC	GTA	TGT	TTT	TTA	765
256	P	F	H	I	L	R	V	I	R	I	E	S	R	L	L	270
766	CCC	TTC	CAT	ATC	TTG	AGG	GTC	ATT	CGG	ATC	GAA	TCT	CGC	CTG	CTT	810

271	S	I	S	C	S	I	E	N	Q	I	H	E	A	Y	I	285
811	TCA	ATC	AGT	TGT	TCC	ATT	GAG	AAT	CAG	ATC	CAT	GAA	GCT	TAC	ATC	855
286	V	S	R	P	L	A	A	L	N	T	F	G	N	L	L	300
856	GTT	TCT	AGA	CCA	TTA	GCT	GCT	CTG	AAC	ACC	TTT	GGT	AAC	CTG	TTA	900
301	L	Y	V	V	V	S	D	N	F	Q	Q	A	V	C	S	315
901	CTA	TAT	GTG	GTG	GTC	AGC	GAC	AAC	TTT	CAG	CAG	GCT	GTC	TGC	TCA	945
316	T	V	R	C	K	V	S	G	N	L	E	Q	A	K	K	330
946	ACA	GTG	AGA	TGC	AAA	GTA	AGC	GGG	AAC	CTT	GAG	CAA	GCA	AAG	AAA	990
331	I	S	Y	S	N	N	P	*								338
991	ATT	AGT	TAC	TCA	AAC	AAC	CCT	TGA								1014

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Figure 8.

1	M	N	N	N	T	T	C	I	Q	P	S	M	I	S	S	15
1	ATG	AAC	AAC	AAT	ACA	ACA	TGT	ATT	CAA	CCA	TCT	ATG	ATC	TCT	TCC	45
16	M	A	L	P	I	I	Y	I	L	L	C	I	V	G	V	30
46	ATG	GCT	TTA	CCA	ATC	ATT	TAC	ATC	CTC	CTT	TGT	ATT	GTT	GGT	GTT	90
31	F	G	N	T	L	S	Q	W	I	F	L	T	K	I	G	45
91	TTT	GGA	AAC	ACT	CTC	TCT	CAA	TGG	ATA	TTT	TTA	ACA	AAA	ATA	GGT	135
46	K	K	T	S	T	H	I	Y	L	S	H	L	V	T	A	60
136	AAA	AAA	ACA	TCA	ACG	CAC	ATC	TAC	CTG	TCA	CAC	CTT	GTG	ACT	GCA	180
61	N	L	L	V	C	S	A	M	P	F	M	S	I	Y	F	75
181	AAC	TTA	CTT	GTG	TGC	AGT	GCC	ATG	CCT	TTC	ATG	AGT	ATC	TAT	TTC	225
76	L	K	G	F	Q	W	E	Y	Q	S	A	Q	C	R	V	90
226	CTG	AAA	GGT	TTC	CAA	TGG	GAA	TAT	CAA	TCT	GCT	CAA	TGC	AGA	GTG	270
91	V	N	F	L	G	T	L	S	M	H	A	S	M	F	V	105
271	GTC	AAT	TTT	CTG	GGA	ACT	CTA	TCC	ATG	CAT	GCA	AGT	ATG	TTT	GTC	315
106	S	L	L	I	L	S	W	I	A	I	S	R	Y	A	T	120
316	AGT	CTC	TTA	ATT	TTA	AGT	TGG	ATT	GCC	ATA	AGC	CGC	TAT	GCT	ACC	360
121	L	M	Q	K	D	S	S	Q	E	T	T	S	C	Y	E	135
361	TTA	ATG	CAA	AAG	GAT	TCC	TCG	CAA	GAG	ACT	ACT	TCA	TGC	TAT	GAG	405
136	K	I	F	Y	G	H	L	L	K	K	F	R	Q	P	N	150
406	AAA	ATA	TTT	TAT	GGC	CAT	TTA	CTG	AAA	AAA	TTT	CGC	CAG	CCC	AAC	450
151	F	A	R	K	L	C	I	Y	I	W	G	V	V	L	G	165
451	TTT	GCT	AGA	AAA	CTA	TGC	ATT	TAC	ATA	TGG	GGA	GTT	GTA	CTG	GGC	495
166	I	I	I	P	V	T	V	Y	Y	S	V	I	E	A	T	180
496	ATA	ATC	ATT	CCA	GTT	ACC	GTA	TAC	TAC	TCA	GTC	ATA	GAG	GCT	ACA	540
181	E	G	E	E	S	L	C	Y	N	R	Q	M	E	L	G	195
541	GAA	GGA	GAA	GAG	AGC	CTA	TGC	TAC	AAT	CGG	CAG	ATG	GAA	CTA	GGA	585
196	A	M	I	S	Q	I	A	G	L	I	G	T	T	F	I	210
586	GCC	ATG	ATC	TCT	CAG	ATT	GCA	GGT	CTC	ATT	GGA	ACC	ACA	TTT	ATT	630
211	G	F	S	F	L	V	V	L	T	S	Y	Y	S	F	V	225
631	GGA	TTT	TCC	TTT	TTA	GTA	GTA	CTA	ACA	TCA	TAC	TAC	TCT	TTT	GTA	675
226	S	H	L	R	K	I	R	T	C	T	S	I	M	E	K	240
676	AGC	CAT	CTG	AGA	AAA	ATA	AGA	ACC	TGT	ACG	TCC	ATT	ATG	GAG	AAA	720
241	D	L	T	Y	S	S	V	K	R	H	L	L	V	I	Q	255
721	GAT	TTG	ACT	TAC	AGT	TCT	GTG	AAA	AGA	CAT	CTT	TTG	GTC	ATC	CAG	765
256	I	L	L	I	V	C	F	L	P	Y	S	I	F	K	P	270
766	ATT	CTA	CTA	ATA	GTT	TGC	TTC	CTT	CCT	TAT	AGT	ATT	TTT	AAA	CCC	810
271	I	F	Y	V	L	H	Q	R	D	N	C	Q	Q	L	N	285

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Figure 8 (cont.)

811	ATT	TTT	TAT	GTT	CTA	CAC	CAA	AGA	GAT	AAC	TGT	CAG	CAA	TTG	AAT	855
286	Y	L	I	E	T	K	N	I	L	T	C	L	A	S	A	300
856	TAT	TTA	ATA	GAA	ACA	AAA	AAC	ATT	CTC	ACC	TGT	CTT	GCT	TCG	GCC	900
301	R	S	S	T	D	P	I	I	F	L	L	L	D	K	T	315
901	AGA	AGT	AGC	ACA	GAC	CCC	ATT	ATA	TTT	CTT	TTA	TTA	GAT	AAA	ACA	945
316	F	K	K	T	L	Y	N	L	F	T	K	S	N	S	A	330
946	TTC	AAG	AAG	ACA	CTA	TAT	AAT	CTC	TTT	ACA	AAG	TCT	AAT	TCA	GCA	990
331	H	M	Q	S	Y	G	*									337
991	CAT	ATG	CAA	TCA	TAT	GGT	TGA									1011

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Figure 9.

1	M	Y	N	G	S	C	C	R	I	E	G	D	T	I	S	15
1	ATG	TAC	AAC	GGG	TCG	TGC	TGC	CGC	ATC	GAG	GGG	GAC	ACC	ATC	TCC	45
16	Q	V	M	P	P	L	L	I	V	A	F	V	L	G	A	30
46	CAG	GTG	ATG	CCG	CCG	CTG	CTC	ATT	GTG	GCC	TTT	GTG	CTG	GGC	GCA	90
31	L	G	N	G	V	A	L	C	G	F	C	F	H	M	K	45
91	CTA	GGC	AAT	GGG	GTC	GCC	CTG	TGT	GGT	TTC	TGC	TTC	CAC	ATG	AAG	135
46	T	W	K	P	S	T	V	Y	L	F	N	L	A	V	A	60
136	ACC	TGG	AAG	CCC	AGC	ACT	GTT	TAC	CTT	TTC	AAT	TTG	GCC	GTG	GCT	180
61	D	F	L	L	M	I	C	L	P	F	R	T	D	Y	Y	75
181	GAT	TTC	CTC	CTT	ATG	ATC	TGC	CTG	CCT	TTT	CGG	ACA	GAC	TAT	TAC	225
76	L	R	R	R	H	W	A	F	G	D	I	P	C	R	V	90
226	CTC	AGA	CGT	AGA	CAC	TGG	GCT	TTT	GGG	GAC	ATT	CCC	TGC	CGA	GTG	270
91	G	L	F	T	L	A	M	N	R	A	G	S	I	V	F	105
271	GGG	CTC	TTC	ACG	TTG	GCC	ATG	AAC	AGG	GCC	GGG	AGC	ATC	GTG	TTC	315
106	L	T	V	V	A	A	D	R	Y	F	K	V	V	H	P	120
316	CTT	ACG	GTG	GTG	GCT	GCG	GAC	AGG	TAT	TTC	AAA	GTG	GTC	CAC	CCC	360
121	H	H	A	V	N	T	I	S	T	R	V	A	A	G	I	135
361	CAC	CAC	GCG	GTG	AAC	ACT	ATC	TCC	ACC	CGG	GTG	GCG	GCT	GGC	ATC	405
136	V	C	T	L	W	A	L	V	I	L	G	T	V	Y	L	150
406	GTC	TGC	ACC	CTG	TGG	GCC	CTG	GTC	ATC	CTG	GGA	ACA	GTG	TAT	CTT	450
151	L	L	E	N	H	L	C	V	Q	E	T	A	V	S	C	165
451	TTG	CTG	GAG	AAC	CAT	CTC	TGC	GTG	CAA	GAG	ACG	GCC	GTC	TCC	TGT	495
166	E	S	F	I	M	E	S	A	N	G	W	H	D	I	M	180
496	GAG	AGC	TTC	ATC	ATG	GAG	TCG	GCC	AAT	GGC	TGG	CAT	GAC	ATC	ATG	540
181	F	Q	L	E	F	F	M	P	L	G	I	I	L	F	C	195
541	TTC	CAG	CTG	GAG	TTC	TTT	ATG	CCC	CTC	GGC	ATC	ATC	TTA	TTT	TGC	585
196	S	F	K	I	V	W	S	L	R	R	R	Q	Q	L	A	210
586	TCC	TTC	AAG	ATT	GTT	TGG	AGC	CTG	AGG	CGG	AGG	CAG	CAG	CTG	GCC	630
211	R	Q	A	R	M	K	K	A	T	R	F	I	M	V	V	225
631	AGA	CAG	GCT	CGG	ATG	AAG	AAG	GCG	ACC	CGG	TTC	ATC	ATG	GTG	GTG	675
226	A	I	V	F	I	T	C	Y	L	P	S	V	S	A	R	240
676	GCA	ATT	GTG	TTC	ATC	ACA	TGC	TAC	CTG	CCC	AGC	GTG	TCT	GCT	AGA	720
241	L	Y	F	L	W	T	V	P	S	S	A	C	D	P	S	255
721	CTC	TAT	TTC	CTC	TGG	ACG	GTG	CCC	TCG	AGT	GCC	TGC	GAT	CCC	TCT	765
256	V	H	G	A	L	H	I	T	L	S	F	T	Y	M	N	270
766	GTC	CAT	GGG	GCC	CTG	CAC	ATA	ACC	CTC	AGC	TTC	ACC	TAC	ATG	AAC	810
271	S	M	L	D	P	L	V	Y	Y	F	S	S	P	S	F	285

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Figure 9 (cont.)

811	AGC	ATG	CTG	GAT	CCC	CTG	GTG	TAT	TAT	TTT	TCA	AGC	CCC	TCC	TTT	855
286	P	K	F	Y	N	K	L	K	I	C	S	L	K	P	K	300
856	CCC	AAA	TTC	TAC	AAC	AAG	CTC	AAA	ATC	TGC	AGT	CTG	AAA	CCC	AAG	900
301	Q	P	G	H	S	K	T	Q	R	P	E	E	M	P	I	315
901	CAG	CCA	GGA	CAC	TCA	AAA	ACA	CAA	AGG	CCG	GAA	GAG	ATG	CCA	ATT	945
316	S	N	L	G	R	R	S	C	I	S	V	A	N	S	F	330
946	TCG	AAC	CTC	GGT	CGC	AGG	AGT	TGC	ATC	AGT	GTG	GCA	AAT	AGT	TTC	990
331	Q	S	Q	S	D	G	Q	W	D	P	H	I	V	E	W	345
991	CAA	AGC	CAG	TCT	GAT	GGG	CAA	TGG	GAT	CCC	CAC	ATT	GTT	GAG	TGG	1035
346	H	*														347
1036	CAC	TGA														1041

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Figure 10.

1	M	G	P	G	E	A	L	L	A	G	L	L	V	M	V	15
1	ATG	GGC	CCC	GGC	GAG	GCG	CTG	CTG	GCG	GGT	CTC	CTG	GTG	ATG	GTA	45
16	L	A	V	A	L	L	S	N	A	L	V	L	L	C	C	30
46	CTG	GCC	GTG	GCG	CTG	CTA	TCC	AAC	GCA	CTG	GTG	CTG	CTT	TGT	TGC	90
31	A	Y	S	A	E	L	R	T	R	A	S	G	V	L	L	45
91	GCC	TAC	AGC	GCT	GAG	CTC	CGC	ACT	CGA	GCC	TCA	GGC	GTC	CTC	CTG	135
46	V	N	L	S	L	G	H	L	L	L	A	A	L	D	M	60
136	GTG	AAT	CTG	TCT	CTG	GGC	CAC	CTG	CTG	CTG	GCG	GCG	CTG	GAC	ATG	180
61	P	F	T	L	L	G	V	M	R	G	R	T	P	S	A	75
181	CCC	TTC	ACG	CTG	CTC	GGT	GTG	ATG	CGC	GGG	CGG	ACA	CCG	TCG	GCG	225
76	P	G	A	C	Q	V	I	G	F	L	D	T	F	L	A	90
226	CCC	GGC	GCA	TGC	CAA	GTC	ATT	GGC	TTC	CTG	GAC	ACC	TTC	CTG	GCG	270
91	S	N	A	A	L	S	V	A	A	L	S	A	D	Q	W	105
271	TCC	AAC	GCG	GCG	CTG	AGC	GTG	GCG	GCG	CTG	AGC	GCA	GAC	CAG	TGG	315
106	L	A	V	G	F	P	L	R	Y	A	G	R	L	R	P	120
316	CTG	GCA	GTG	GGC	TTC	CCA	CTG	CGC	TAC	GCC	GGA	CGC	CTG	CGA	CCG	360
121	R	Y	A	G	L	L	L	G	C	A	W	G	Q	S	L	135
361	CGC	TAT	GCC	GGC	CTG	CTG	CTG	GGC	TGT	GCC	TGG	GGA	CAG	TCG	CTG	405
136	A	F	S	G	A	A	L	G	C	S	W	L	G	Y	S	150
406	GCC	TTC	TCA	GGC	GCT	GCA	CTT	GGC	TGC	TCG	TGG	CTT	GGC	TAC	AGC	450
151	S	A	F	A	S	C	S	L	R	L	P	P	E	P	E	165
451	AGC	GCC	TTC	GCG	TCC	TGT	TCG	CTG	CGC	CTG	CCG	CCC	GAG	CCT	GAG	495
166	R	P	R	F	A	A	F	T	A	T	L	H	A	V	G	180
496	CGT	CCG	CGC	TTC	GCA	GCC	TTC	ACC	GCC	ACG	CTC	CAT	GCC	GTG	GGC	540
181	F	V	L	P	L	A	V	L	C	L	T	S	L	Q	V	195
541	TTC	GTG	CTG	CCG	CTG	GCG	GTG	CTC	TGC	CTC	ACC	TCG	CTC	CAG	GTG	585
196	H	R	V	A	R	R	H	C	Q	R	M	D	T	V	T	210
586	CAC	CGG	GTG	GCA	CGC	AGA	CAC	TGC	CAG	CGC	ATG	GAC	ACC	GTC	ACC	630
211	M	K	A	L	A	L	L	A	D	L	H	P	R	Y	W	225
631	ATG	AAG	GCG	CTC	GCG	CTG	CTC	GCC	GAC	CTG	CAC	CCC	AGG	TAT	TGG	675
226	P	S	A	C	R	Q	A	Q	A	R	D	L	G	A	P	240
676	CCC	AGT	GCA	TGC	CGA	CAG	GCC	CAG	GCC	AGG	GAC	TTG	GGC	GCT	CCC	720
241	W	A	V	G	L	R	S	L	W	A	S	P	P	L	L	255
721	TGG	GCA	GTT	GGC	TTG	AGG	AGC	CTG	TGG	GCA	TCA	CCA	CCG	TTA	CTC	765
256	C	P	E	F	T	S	H	S	T	A	P	A	R	C	S	270
766	TGC	CCA	GAG	TTC	ACC	AGC	CAC	AGC	ACT	GCC	CCT	GCA	CGC	TGC	TCA	810
271	Q	G	F	P	V	G	S	L	V	Q	T	L	R	G	P	285

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Figure 10 (cont.)

811	CAG	GGG	TTT	CCT	GTT	GGT	TCA	TTG	GTG	CAG	ACA	CTG	CGG	GGG	CCT	855
286	L	P	P	G	I	C	A	H	S	A	Q	G	A	L	R	300
856	CTG	CCT	CCT	GGG	ATA	TGT	GCT	CAC	AGT	GCA	CAG	GGA	GCT	TTG	CGC	900
301	R	A	V	G	C	A	S	P	G	G	V	P	R	A	L	315
901	AGA	GCT	GTG	GGG	TGT	GCT	TCT	CCG	GGA	GGG	GTT	CCG	CGG	GCT	CTG	945
316	L	W	A	A	R	H	T	P	P	V	H	G	C	G	S	330
946	CTG	TGG	GCG	GCC	AGA	CAC	ACC	CCT	CCT	GTG	CAT	GGC	TGT	GGG	TCT	990
331	E	A	S	A	C	F	C	P	L	L	T	Q	C	P	C	345
991	GAG	GCA	TCT	GCT	TGT	TTC	TGC	CCA	CTG	CTG	ACC	CAG	TGC	CCT	TGC	1035
346	M	D	L	G	F	K	S	*								352
1036	ATG	GAC	TTG	GGC	TTC	AAG	TCT	TGA								1059

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Figure 11.

1	M	T	P	N	S	T	G	E	V	P	S	P	I	P	K	15
1	ATG	ACG	CCC	AAC	AGC	ACT	GGC	GAG	GTG	CCC	AGC	CCC	ATT	CCC	AAG	45
16	G	A	L	G	L	S	L	A	L	A	S	L	I	I	T	30
46	GGG	GCT	TTG	GGG	CTC	TCC	CTG	GCC	CTG	GCA	AGC	CTC	ATC	ATC	ACC	90
31	A	N	L	L	L	A	L	G	I	A	G	T	A	A	C	45
91	GCG	AAC	CTG	CTC	CTA	GCC	CTG	GGC	ATC	GCT	GGG	ACC	GCC	GCC	TGC	135
46	A	A	T	C	W	L	L	L	P	E	P	T	A	G	W	60
136	GCA	GCC	ACC	TGC	TGG	CTG	CTT	CTT	CCT	GAG	CCT	ACT	GCT	GGC	TGG	180
61	A	A	H	G	S	G	I	A	T	L	P	G	L	W	N	75
181	GCT	GCT	CAC	GGG	TCT	GGC	ATT	GCC	ACA	TTG	CCA	GGG	CTG	TGG	AAC	225
76	Q	S	R	R	G	Y	W	S	C	L	L	V	Y	L	A	90
226	CAG	AGT	CGC	CGG	GGT	TAC	TGG	TCC	TGC	CTC	CTC	GTC	TAC	TTG	GCT	270
91	P	N	F	S	F	L	S	L	L	A	N	L	L	L	V	105
271	CCC	AAC	TTC	TCC	TTC	CTC	TCC	CTG	CTT	GCC	AAC	CTC	TTG	CTG	GTG	315
106	H	G	E	R	Y	M	A	V	L	R	P	L	Q	P	P	120
316	CAC	GGG	GAG	CGC	TAC	ATG	GCA	GTC	CTG	AGG	CCA	CTC	CAG	CCC	CCT	360
121	G	S	I	R	L	A	L	L	L	T	W	A	G	P	L	135
361	GGG	AGC	ATT	CGG	CTG	GCC	CTG	CTC	CTC	ACC	TGG	GCT	GGT	CCC	CTG	405
136	L	F	A	S	L	P	A	L	G	W	N	H	W	T	P	150
406	CTC	TTT	GCC	AGT	CTG	CCC	GCT	CTG	GGG	TGG	AAC	CAC	TGG	ACC	CCT	450
151	G	A	N	C	S	S	Q	A	I	F	P	A	P	Y	L	165
451	GGT	GCC	AAC	TGC	AGC	TCC	CAG	GCT	ATC	TTC	CCA	GCC	CCC	TAC	CTG	495
166	Y	L	E	V	Y	G	L	L	L	P	A	V	G	A	A	180
496	TAC	CTC	GAA	GTC	TAT	GGG	CTC	CTG	CTG	CCC	GCC	GTG	GGT	GCT	GCT	540
181	A	F	L	S	V	R	V	L	A	T	A	H	R	Q	L	195
541	GCC	TTC	CTC	TCT	GTC	CGC	GTG	CTG	GCC	ACT	GCC	CAC	CGC	CAG	CTG	585
196	Q	D	I	C	R	L	E	R	A	V	C	R	D	E	P	210
586	CAG	GAC	ATC	TGC	CGG	CTG	GAG	CGG	GCA	GTG	TGC	CGC	GAT	GAG	CCC	630
211	S	A	L	A	R	A	L	T	W	R	Q	A	R	A	Q	225
631	TCC	GCC	CTG	GCC	CGG	GCC	CTT	ACC	TGG	AGG	CAG	GCA	AGG	GCA	CAG	675
226	A	G	A	M	L	L	F	G	L	C	W	G	P	Y	V	240
676	GCT	GGA	GCC	ATG	CTG	CTC	TTC	GGG	CTG	TGC	TGG	GGG	CCC	TAC	GTG	720
241	A	T	L	L	L	S	V	L	A	Y	E	Q	R	P	P	255
721	GCC	ACA	CTG	CTC	CTC	TCA	GTC	CTG	GCC	TAT	GAG	CAG	CGC	CCG	CCA	765
256	L	G	P	G	T	L	L	S	L	L	S	L	G	S	A	270
766	CTG	GGG	CCT	GGG	ACA	CTG	TTG	TCC	CTC	CTC	TCC	CTA	GGA	AGT	GCC	810
271	S	A	A	A	V	P	V	A	M	G	L	G	D	Q	R	285

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Figure 11 (cont.)

811	AGT	GCA	GCG	GCA	GTG	CCC	GTA	GCC	ATG	GGG	CTG	GGC	GAT	CAG	CGC	855
286	Y	T	A	P	W	R	Q	P	P	K	G	A	C	R	G	300
856	TAC	ACA	GCC	CCC	TGG	AGG	CAG	CCG	CCC	AAA	GGT	GCC	TGC	AGG	GGC	900
301	C	G	E	E	P	P	G	T	V	P	A	P	A	L	P	315
901	TGT	GGG	GAA	GAG	CCT	CCC	GGG	ACA	GTC	CCG	GCC	CCA	GCA	TTG	CCT	945
316	T	T	Q	A	A	K	A	V	S	T	W	T	*			327
946	ACC	ACC	CAA	GCA	GCC	AAA	GCA	GTG	TCG	ACC	TGG	ACT	TGA			984

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Figure 12.

1	M	G	D	E	L	A	P	C	P	V	G	T	T	A	W	15
1	ATG	GGG	GAT	GAG	CTG	GCA	CCT	TGC	CCT	GTG	GGC	ACT	ACA	GCT	TGG	45
16	P	A	L	I	Q	L	I	S	K	T	P	C	M	P	Q	30
46	CCG	GCC	CTG	ATC	CAG	CTC	ATC	AGC	AAG	ACA	CCC	TGC	ATG	CCC	CAA	90
31	A	A	S	N	T	S	L	G	L	G	D	L	R	V	P	45
91	GCA	GCC	AGC	AAC	ACT	TCC	TTG	GGC	CTG	GGG	GAC	CTC	AGG	GTG	CCC	135
46	S	S	M	L	Y	W	L	F	L	P	S	S	L	L	A	60
136	AGC	TCC	ATG	CTG	TAC	TGG	CTT	TTC	CTT	CCC	TCA	AGC	CTG	CTG	GCT	180
61	A	A	T	L	A	V	S	P	L	L	L	V	T	I	L	75
181	GCA	GCC	ACA	CTG	GCT	GTC	AGC	CCC	CTG	CTG	CTG	GTG	ACC	ATC	CTG	225
76	R	N	Q	R	L	R	Q	E	P	H	Y	L	L	P	A	90
226	CGG	AAC	CAA	CGG	CTG	CGA	CAG	GAG	CCC	CAC	TAC	CTG	CTC	CCG	GCT	270
91	N	I	L	L	S	D	L	A	Y	I	L	L	H	M	L	105
271	AAC	ATC	CTG	CTC	TCA	GAC	CTG	GCC	TAC	ATT	CTC	CTC	CAC	ATG	CTC	315
106	I	S	S	S	S	L	G	G	W	E	L	G	R	M	A	120
316	ATC	TCC	TCC	AGC	AGC	CTG	GGT	GGC	TGG	GAG	CTG	GGC	CGC	ATG	GCC	360
121	C	G	I	L	T	D	A	V	F	A	A	C	T	S	T	135
361	TGT	GGC	ATT	CTC	ACT	GAT	GCT	GTC	TTC	GCC	GCC	TGC	ACC	AGC	ACC	405
136	I	L	S	F	T	A	I	V	L	H	T	Y	L	A	V	150
406	ATC	CTG	TCC	TTC	ACC	GCC	ATT	GTG	CTG	CAC	ACC	TAC	CTG	GCA	GTC	450
151	I	H	P	L	R	Y	L	S	F	M	S	H	G	A	A	165
451	ATC	CAT	CCA	CTG	CGC	TAC	CTC	TCC	TTC	ATG	TCC	CAT	GGG	GCT	GCC	495
166	W	K	A	V	A	L	I	W	L	V	A	C	C	F	P	180
496	TGG	AAG	GCA	GTG	GCC	CTC	ATC	TGG	CTG	GTG	GCC	TGC	TGC	TTC	CCC	540
181	T	F	L	I	W	L	S	K	W	Q	D	A	Q	L	E	195
541	ACA	TTC	CTT	ATT	TGG	CTC	AGC	AAG	TGG	CAG	GAT	GCC	CAG	CTG	GAG	585
196	E	Q	G	A	S	Y	I	L	P	P	S	M	G	T	Q	210
586	GAG	CAA	GGA	GCT	TCA	TAC	ATC	CTA	CCA	CCA	AGC	ATG	GGC	ACC	CAG	630
211	P	G	C	G	L	L	V	I	V	T	Y	T	S	I	L	225
631	CCG	GGA	TGT	GGC	CTC	CTG	GTC	ATT	GTT	ACC	TAC	ACC	TCC	ATT	CTG	675
226	C	V	L	F	L	C	T	A	L	I	A	N	C	F	W	240
676	TGC	GTT	CTG	TTC	CTC	TGC	ACA	GCT	CTC	ATT	GCC	AAC	TGT	TTC	TGG	720
241	R	I	Y	A	E	A	K	T	S	G	I	W	G	Q	G	255
721	AGG	ATC	TAT	GCA	GAG	GCC	AAG	ACT	TCA	GGC	ATC	TGG	GGG	CAG	GGC	765
256	Y	S	R	A	R	G	T	L	L	I	H	S	V	L	I	270
766	TAT	TCC	CGG	GCC	AGG	GGC	ACC	CTG	CTG	ATC	CAC	TCA	GTG	CTG	ATC	810
271	T	L	Y	V	S	T	G	V	V	F	S	L	D	M	V	285

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Figure 12 (cont.)

811	ACA	TTG	TAC	GTG	AGC	ACA	GGG	GTG	GTG	TTC	TCC	CTG	GAC	ATG	GTG	855
286	L	T	R	Y	H	H	I	D	S	G	T	H	T	W	L	300
856	CTG	ACC	AGG	TAC	CAC	CAC	ATT	GAC	TCT	GGG	ACT	CAC	ACA	TGG	CTC	900
301	L	A	A	N	S	E	V	L	M	M	L	P	R	A	M	315
901	CTG	GCA	GCT	AAC	AGT	GAG	GTA	CTC	ATG	ATG	CTT	CCC	CGT	GCC	ATG	945
316	L	T	Y	L	Y	L	L	R	Y	R	Q	L	L	G	M	330
946	CTC	ACA	TAC	CTG	TAC	CTG	CTC	CGC	TAC	CGG	CAG	CTG	TTG	GGC	ATG	990
331	V	R	G	H	L	P	S	R	R	H	Q	A	I	F	T	345
991	GTC	CGG	GGC	CAC	CTC	CCA	TCC	AGG	AGG	CAC	CAG	GCC	ATC	TTT	ACC	1035
346	I	S	*													347
1036	ATT	TCC	TAG													1044

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Figure 13.

1	G	P	H	R	S	Q	R	S	H	L	C	F	R	A	K	15
1	GGC	CCC	CAT	AGG	AGC	CAA	CGA	AGT	CAT	CTT	TGC	TTC	AGA	GCT	AAA	45
16	P	V	F	L	L	S	T	A	N	I	L	T	V	I	I	30
46	CCA	GTT	TTT	CTT	CTC	TCC	ACA	GCA	AAT	ATC	TTG	ACA	GTG	ATC	ATC	90
31	L	S	Q	L	V	A	R	R	Q	K	S	S	Y	N	Y	45
91	CTC	TCC	CAG	CTG	GTG	GCA	AGA	AGA	CAG	AAG	TCC	TCC	TAC	AAC	TAT	135
46	L	L	A	L	A	A	A	D	I	L	V	L	F	F	I	60
136	CTC	TTG	GCA	CTC	GCT	GCT	GCC	GAC	ATC	TTG	GTC	CTC	TTT	TTC	ATA	180
61	V	F	V	D	F	L	L	E	D	F	I	L	N	M	Q	75
181	GTG	TTT	GTG	GAC	TTC	CTG	TTG	GAA	GAT	TTC	ATC	TTG	AAC	ATG	CAG	225
76	M	P	Q	V	P	D	K	I	I	E	V	L	E	F	S	90
226	ATG	CCT	CAG	GTC	CCC	GAC	AAG	ATC	ATA	GAA	GTG	CTG	GAA	TTC	TCA	270
91	S	I	H	T	S	I	W	I	T	V	P	L	T	I	D	105
271	TCC	ATC	CAC	ACC	TCC	ATA	TGG	ATT	ACT	GTA	CCG	TTA	ACC	ATT	GAC	315
106	R	Y	I	A	V	C	H	P	L	K	Y	H	T	V	S	120
316	AGG	TAT	ATC	GCT	GTC	TGC	CAC	CCG	CTC	AAG	TAC	CAC	ACG	GTC	TCA	360
121	Y	P	A	R	T	R	K	V	I	V	S	V	Y	I	T	135
361	TAC	CCA	GCC	CGC	ACC	CGG	AAA	GTC	ATT	GTA	AGT	GTT	TAC	ATC	ACC	405
136	C	F	L	T	S	I	P	Y	Y	W	W	P	N	I	W	150
406	TGC	TTC	CTG	ACC	AGC	ATC	CCC	TAT	TAC	TGG	TGG	CCC	AAC	ATC	TGG	450
151	T	E	D	Y	I	S	T	S	V	H	H	V	L	I	W	165
451	ACT	GAA	GAC	TAC	ATC	AGC	ACC	TCT	GTG	CAT	CAC	GTC	CTC	ATC	TGG	495
166	I	H	C	F	T	V	Y	L	V	P	C	S	I	F	F	180
496	ATC	CAC	TGC	TTC	ACC	GTC	TAC	CTG	GTG	CCC	TGC	TCC	ATC	TTC	TTC	540
181	I	L	N	S	I	I	V	Y	K	L	R	R	K	S	N	195
541	ATC	TTG	AAC	TCA	ATC	ATT	GTG	TAC	AAG	CTC	AGG	AGG	AAG	AGC	AAT	585
196	F	R	L	R	G	Y	S	T	G	K	T	T	A	I	L	210
586	TTT	CGT	CTC	CGT	GGC	TAC	TCC	ACG	GGG	AAG	ACC	ACC	GCC	ATC	TTG	630
211	F	T	I	T	S	I	F	A	T	L	W	A	P	R	I	225
631	TTC	ACC	ATT	ACC	TCC	ATC	TTT	GCC	ACA	CTT	TGG	GCC	CCC	CGC	ATC	675
226	I	M	I	L	Y	H	L	Y	G	A	P	I	Q	N	R	240
676	ATC	ATG	ATT	CTT	TAC	CAC	CTC	TAT	GGG	GCG	CCC	ATC	CAG	AAC	CGC	720
241	W	L	V	H	I	M	S	D	I	A	N	M	L	A	L	255
721	TGG	CTG	GTA	CAC	ATC	ATG	TCC	GAC	ATT	GCC	AAC	ATG	CTA	GCC	CTT	765
256	L	N	T	A	I	N	F	F	L	Y	C	F	I	S	K	270
766	CTG	AAC	ACA	GCC	ATC	AAC	TTC	TTC	CTC	TAC	TGC	TTC	ATC	AGC	AAG	810
271	R	F	R	T	M	A	A	A	T	L	K	A	F	F	K	285

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Figure 13 (cont.)

811	CGG	TTC	CGC	ACC	ATG	GCA	GCC	GCC	ACG	CTC	AAG	GCT	TTC	TTC	AAG	855
286	C	Q	K	Q	P	V	Q	F	Y	T	N	H	N	F	S	300
856	TGC	CAG	AAG	CAA	CCT	GTA	CAG	TTC	TAC	ACC	AAT	CAT	AAC	TTT	TCC	900
301	I	T	S	S	P	W	I	S	P	A	N	S	H	C	I	315
901	ATA	ACA	AGT	AGC	CCC	TGG	ATC	TCG	CCG	GCA	AAC	TCA	CAC	TGC	ATC	945
316	K	M	L	V	Y	Q	Y	D	K	N	G	K	P	I	K	330
946	AAG	ATG	CTG	GTG	TAC	CAG	TAT	GAC	AAA	AAT	GGA	AAA	CCT	ATA	AAA	990
331	V	S	P	*												333
991	GTA	TCC	CCG	TGA												1002

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Figure 14.

1	M	L	A	A	A	F	A	D	S	N	S	S	S	M	N	15
1	ATG	CTG	GCA	GCT	GCC	TTT	GCA	GAC	TCT	AAC	TCC	AGC	AGC	ATG	AAT	45
16	V	S	F	A	H	L	H	F	A	G	G	Y	L	P	S	30
46	GTG	TCC	TTT	GCT	CAC	CTC	CAC	TTT	GCC	GGA	GGG	TAC	CTG	CCC	TCT	90
31	D	S	Q	D	W	R	T	I	I	P	A	L	L	V	A	45
91	GAT	TCC	CAG	GAC	TGG	AGA	ACC	ATC	ATC	CCG	GCT	CTC	TTG	GTG	GCT	135
46	V	C	L	V	G	F	V	G	N	L	C	V	I	G	I	60
136	GTC	TGC	CTG	GTG	GGC	TTC	GTG	GGA	AAC	CTG	TGT	GTG	ATT	GGC	ATC	180
61	L	L	H	N	A	W	K	G	K	P	S	M	I	H	S	75
181	CTC	CTT	CAC	AAT	GCT	TGG	AAA	GGA	AAG	CCA	TCC	ATG	ATC	CAC	TCC	225
76	L	I	L	N	L	S	L	A	D	L	S	L	L	L	F	90
226	CTG	ATT	CTG	AAT	CTC	AGC	CTG	GCT	GAT	CTC	TCC	CTC	CTG	CTG	TTT	270
91	S	A	P	I	R	A	T	A	Y	S	K	S	V	W	D	105
271	TCT	GCA	CCT	ATC	CGA	GCT	ACG	GCG	TAC	TCC	AAA	AGT	GTT	TGG	GAT	315
106	L	G	W	F	V	C	K	S	S	D	W	F	I	H	T	120
316	CTA	GGC	TGG	TTT	GTC	TGC	AAG	TCC	TCT	GAC	TGG	TTT	ATC	CAC	ACA	360
121	C	M	A	A	K	S	L	T	I	V	V	V	A	K	V	135
361	TGC	ATG	GCA	GCC	AAG	AGC	CTG	ACA	ATC	GTT	GTG	GTG	GCC	AAA	GTA	405
136	C	F	M	Y	A	S	D	P	A	K	Q	V	S	I	H	150
406	TGC	TTC	ATG	TAT	GCA	AGT	GAC	CCA	GCC	AAG	CAA	GTG	AGT	ATC	CAC	450
151	N	Y	T	I	W	S	V	L	V	A	I	W	T	V	A	165
451	AAC	TAC	ACC	ATC	TGG	TCA	GTG	CTG	GTG	GCC	ATC	TGG	ACT	GTG	GCT	495
166	S	L	L	P	L	P	E	W	F	F	S	T	I	R	H	180
496	AGC	CTG	TTA	CCC	CTG	CCG	GAA	TGG	TTC	TTT	AGC	ACC	ATC	AGG	CAT	540
181	H	E	G	V	E	M	C	L	V	D	V	P	A	V	A	195
541	CAT	GAA	GGT	GTG	GAA	ATG	TGC	CTC	GTG	GAT	GTA	CCA	GCT	GTG	GCT	585
196	E	E	F	M	S	M	F	G	K	L	Y	P	L	L	A	210
586	GAA	GAG	TTT	ATG	TCG	ATG	TTT	GGT	AAG	CTC	TAC	CCA	CTC	CTG	GCA	630
211	F	G	L	P	L	F	F	A	S	F	Y	F	W	R	A	225
631	TTT	GGC	CTT	CCA	TTA	TTT	TTT	GCC	AGC	TTT	TAT	TTC	TGG	AGA	GCT	675
226	Y	D	Q	C	K	K	R	G	T	K	T	Q	N	L	R	240
676	TAT	GAC	CAA	TGT	AAA	AAA	CGA	GGA	ACT	AAG	ACT	CAA	AAT	CTT	AGA	720
241	N	Q	I	R	S	K	Q	V	T	V	M	L	L	S	I	255
721	AAC	CAG	ATA	CGC	TCA	AAG	CAA	GTC	ACA	GTG	ATG	CTG	CTG	AGC	ATT	765
256	A	I	I	S	A	L	L	W	L	P	E	W	V	A	W	270
766	GCC	ATC	ATC	TCT	GCT	CTC	TTG	TGG	CTC	CCC	GAA	TGG	GTA	GCT	TGG	810
271	L	W	V	W	H	L	K	A	A	G	P	A	P	P	Q	285

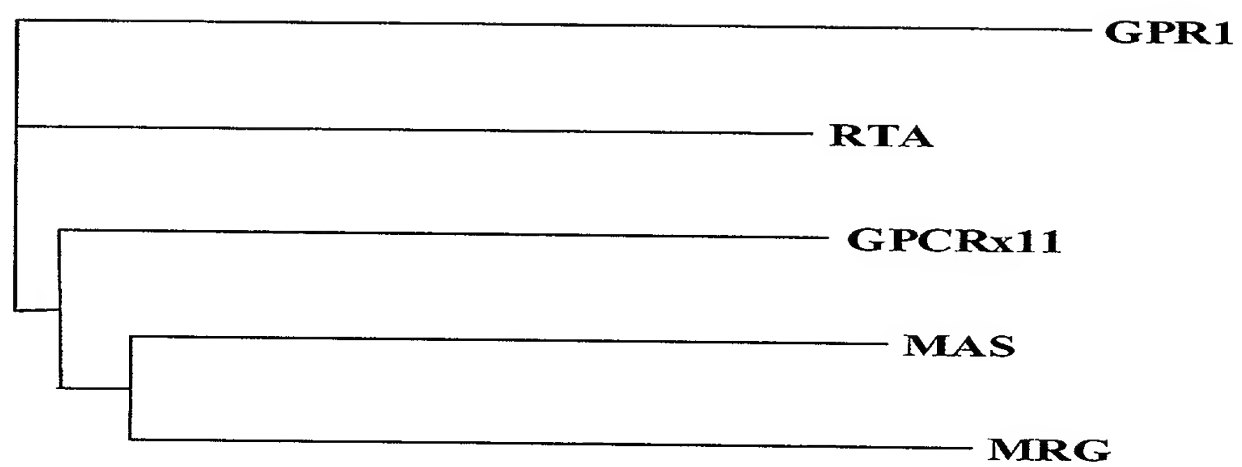
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Figure 14 (cont.)

811	CTG	TGG	GTA	TGG	CAT	CTG	AAG	GCT	GCA	GGC	CCG	GCC	CCA	CCA	CAA	855
286	G	F	I	A	L	S	Q	V	L	M	F	S	I	S	S	300
856	GGT	TTC	ATA	GCC	CTG	TCT	CAA	GTC	TTG	ATG	TTT	TCC	ATC	TCT	TCA	900
301	A	N	P	L	I	F	L	V	M	S	E	E	F	R	E	315
901	GCA	AAT	CCT	CTC	ATT	TTT	CTT	GTG	ATG	TCG	GAA	GAG	TTC	AGG	GAA	945
316	G	L	K	G	V	W	K	W	M	I	T	K	K	P	P	330
946	GGC	TTG	AAA	GGT	GTA	TGG	AAA	TGG	ATG	ATA	ACC	AAA	AAA	CCT	CCA	990
331	T	V	S	E	S	Q	E	T	P	A	G	N	S	E	G	345
991	ACT	GTC	TCA	GAG	TCT	CAG	GAA	ACA	CCA	GCT	GGC	AAC	TCA	GAG	GGT	1035
346	L	P	D	K	V	P	S	P	E	S	P	A	S	I	P	360
1036	CTT	CCT	GAC	AAG	GTT	CCA	TCT	CCA	GAA	TCC	CCA	GCA	TCC	ATA	CCA	1080
361	E	K	E	K	P	S	S	P	S	S	G	K	G	K	T	375
1081	GAA	AAA	GAG	AAA	CCC	AGC	TCT	CCC	TCC	TCT	GGC	AAA	GGG	AAA	ACT	1125
376	E	K	A	E	I	P	I	L	P	D	V	E	Q	F	W	390
1126	GAG	AAG	GCA	GAG	ATT	CCC	ATC	CTT	CCT	GAC	GTA	GAG	CAG	TTT	TGG	1170
391	H	E	R	D	T	V	P	S	V	Q	D	N	D	P	I	405
1171	CAT	GAG	AGG	GAC	ACA	GTC	CCT	TCT	GTA	CAG	GAC	AAT	GAC	CCT	ATC	1215
406	P	W	E	H	E	D	Q	E	T	G	E	G	V	K	*	419
1216	CCC	TGG	GAA	CAT	GAA	GAT	CAA	GAG	ACA	GGG	GAA	GGT	GTT	AAA	TAG	1260

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Figure 15.



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Figure 16.

